



On the impact of biogenic emission on tropospheric ozone production in model SMOG

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A common problem of almost all urban areas in Europe is photooxidation air-pollution (summer photochemical smog) the episodes of which occur in summer months as consequences of high production of air-pollution in urban areas. Tropospheric ozone, the main part of the summer photochemical smog, is a result of a cycle of the chemical reactions, where biogenic emission in remote areas as well as near the urban ones play important role. In the presented model study impact of biogenic emission on surface concentration of ozone is shown in the Lagrangian photochemical puff model SMOG driven by meteorological conditions from ETA model for June in rather remote area of north Moravia. Comparison with measured data is presented as well.